### Description:
RECOMBINANT HUMAN INTERLEUKIN-2

### Name:
IL-2

### Format:
Rec. Protein

### Product Type:
Recombinant Protein

### Quantity:
10 µg

### Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.2 - 0.4ng/well</td>
</tr>
<tr>
<td>Western Blotting</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.5 - 3.0ng/lane</td>
</tr>
<tr>
<td>Functional Assays</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.1 - 2.0ng/ml</td>
</tr>
</tbody>
</table>

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate positive/negative controls.

### Target Species
Human

### Species Cross Reactivity
Reacts with: Cynomolgus monkey, Rhesus Monkey, Dolphin

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form
Purified protein produced in *E. coli* - lyophilized

### Reconstitution
Reconstitute with 0.1ml 0.1M acetic acid
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

### Source
E.coli

### Buffer Solution
10mM Sodium citrate.
Preservative  Stabilisers  None present

Carrier Free  Yes

Endotoxin Level  < 0.1 ng/ug

Approx. Protein Concentrations  Total protein concentration 0.1mg/ml after reconstitution.

External Database Links  UniProt:  P60568  Related reagents

Entrez Gene:  3558  IL2  Related reagents

Product Information  Recombinant human interleukin 2 is an *Escherichia coli*-derived recombinant protein corresponding to full-length mature human interleukin-2, a secreted peptide required for T-cell proliferation. This preparation has an ED50 of 0.1ng/ml as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells.

Protein Molecular Weight  15.5kDa (134 Amino acid sequence)

Activity  >1 x 10^7 units/mg as determined by dose-dependent stimulation of CTLL-2 cells.

Purity  >98% by SDS PAGE and HPLC analysis

ELISA  This product may be used as a standard in ELISA applications with either AHP1032 or AHP1032B.

Western Blotting  This product may be used as a positive control in western blotting applications with either AHP1032 or AHP1032B.


### Storage

Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

### Health And Safety Information

Material Safety Datasheet documentation #10527 available at: [https://www.bio-rad-antibodies.com/SDS/PHP042A](https://www.bio-rad-antibodies.com/SDS/PHP042A)

### Regulatory

For research purposes only

### Related Products

**Recommended Useful Reagents**

- RABBIT ANTI HUMAN INTERLEUKIN-2 (AHP1032)
- RABBIT ANTI HUMAN INTERLEUKIN-2:Biotin (AHP1032B)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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